

**Camp Navajo
Stakeholder Advisory Group (SAG)**

Thursday, January 13, 2005
Camp Navajo
Bellemont, AZ

Minutes

Members in attendance:

Alan Anderson, Coconino National Forest
Christine Krosnicki, City of Flagstaff
Stacy Duffy, ADEQ (by telephone)
Shaula Hedwall, USFWS
Glenn Morrison, community member
LTC Pete Tosi, Camp Navajo
Lee Luedeker, AGFD
Randy Wilkinson, NGB

Members absent:

Tom Britt, community member
Michele James, community member

Interested Parties

Kim Harriz, AMEC
Mary Hershner, TSC
Phil Lagas, Brown & Caldwell
Christa Lewis, AZARNG Env. Office
MAJ Bill Myer, NGB
Srini Neralla, MKM Engineers
Tom Parker, Camp Navajo
Hugh Reick, ADEQ (by telephone)
Marty Rozelle, The Rozelle Group
Bobby Templin, MKM Engineers
Scott Veenstra, AMEC

The following acronyms may be used throughout this document

ADEMA	Arizona Department of Emergency and Military Affairs
ADEQ	Arizona Department of Environmental Quality
AGFD	Arizona Game & Fish Department
AZARNG	Arizona Army National Guard
BRAC	Base Realignment and Closure
CDC	Contained Detonation Chamber
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EDMS	Electronic Data Management System
FOASA	Former Open Air Storage Area
FSP	Field Sampling Plan
FWPDBA	Former White Phosphorous Detonation and Burn Area (Chemical Canyon)
IRP	Installation Restoration Program
MAP	Management Action Plan
MEC	Munitions and Explosives of Concern
MWP	Master Work Plan
NAAD	Navajo Army Depot
NAU	Northern Arizona University
NGB	National Guard Bureau
OB/OD	Open Burn/Open Detonation
ORS	Ordnance Related Scrap
PBC	Performance Based Contract
ppb	parts per billion
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
SAG	Stakeholder Advisory Group
SSHP	Site Safety and Health Plan
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USFWS	U.S. Fish & Wildlife Service
USGS	U.S. Geological Survey
UXO	Unexploded Ordnance
WMM	Waste Military Munitions

The following matters were discussed, recommended, and/or decided.

1. *Welcome, Introductions and Announcements*

Glenn Morrison, owner of Windmill Ranch, was unanimously accepted to replace Duane Miller as a community member on the SAG. Windmill Ranch borders Camp Navajo.

Lee Luedeker was unanimously approved to continue as SAG co-chair. He has a new email address: lluedeker@azgfd.gov. A short orientation session will be provided for Glenn and Christine Krosnicki prior to the next SAG meeting. All SAG members and interested parties will be invited.

Michele James, community member, is interested in continuing to serve on the SAG but has a conflict with today's meeting. Evening meetings work best for her.

2. *Status of Action Items from October 14, 2004 SAG Meeting*

Tom Parker will send a care package to CPT Fay this week.

3. *Results from 1st Quarter Groundwater and Surface Water Monitoring*

Groundwater. Of the six wells in the OB/OD Area, three of these wells are shallow (30 feet) and three are deep (150 – 300 feet deep). The regional aquifer wells include two wells at the Woody Mountain well field, three wells in Bellemont across I-40, and the DALCO well on Camp Navajo. Every month water levels are taken and every three months sample are taken.

Surface water. Surface water samples are scheduled to be collected during the monsoon season and from snowmelt. Samples will be taken from drainages and catchments (stock ponds and OD Pits).

In August and September 2004, L tank, Pyrotechnic Tank, the dam in Chemical Canyon, and 10 OD pits were sampled. The Woody Mt, Dalco, and 2 of 3 wells in Bellemont were sampled. One shallow and one deep well in the OB/OD Area were sampled (the others were dry).

All of the samples were non-detect for white phosphorous. Perchlorate was found in a few OD pits. The highest hit for perchlorate was ~8 ppb, which is lower than the highest level found in 2002. Low detections of dioxins were also found in the OD pits.

In the second quarter sampling in November some samples were caught in flowing drainages in the Pyrotechnic Range (by the fence at Rogers Lake) and in NAAD 01.

The snowmelt of the second week of January should help in obtaining samples in the OB/OD Area.

The first quarter Monitoring Report is available on the website. It will be sent to USGS, City of Flagstaff, the Bellemont Water System, and USFWS. An interim report will also be distributed for the 2nd and 3rd quarters, and a hydrologic evaluation report will be submitted after the 4th quarter.

Lee said that there may be a flow-through event in Volunteer Canyon and asked if it was possible to take one sample upstream, as well as downstream. He also recommended taking a sample before the flow crosses I-40. Randy responded that this effort is focused on OB/OD Area, rather than an installation-wide monitoring program. The Camp Navajo Installation has its own drinking water and storm water monitoring program.

4. OB/OD Program Update

MAJ Myer provided updates on existing and future work efforts.

Projects

Footprint Reduction – After Action Report was submitted by Brown & Caldwell and is under review.

NAAD 09C Landfill Removal Action – Work is on hold due to snow.

NAAD 02 Soil RI/FS – Phase 1 is complete. Phase 2 is underway and includes trenching into OB Pits in 19 locations down to bedrock to characterize soil concentrations and check for ordnance at various depths. NGB is working with the regulators to agree on protocols for Phase 2 completion. Weather delays from mid-November to early December have slowed progress, but two crews will be working on the excavation to make up lost time. NGB is addressing comments received on statistical methods for NAAD 2. Once these comments are resolved, the RI can be written and the FS can begin.

Ecological Work Plan - Final comments are being addressed.

Environmental Data Management System (EDMS) - AMEC is preparing the EDMS. Contractors will submit all data electronically to this system and all can share information.

NAAD 03 RI/FS – Last summer a geophysical survey of the canyon floor was completed. In November the RI fieldwork was completed and white phosphorous rounds were found in the canyon floor. Soil sampling shows mostly non-detect for explosives, white phosphorus, and for most metals.

The Camp Navajo fence crew completely rebuilt the western Metz Tank area fence. Major repairs were made on the south Installation boundary. Quarterly inspections and repairs continue.

Upcoming work

Open Detonation - More than 60 white phosphorous items are in storage. An open detonation is planned for the first two weeks in February.

Kim Harriz, Project Manager for AMEC, discussed the status of the Open Burn Area Closures for which they are responsible. A Draft Site-Specific Work Plan was approved in early January 2005. The final was submitted January 10, 2005. Phase I investigations have begun.

All sites will go through a screening process for risks to human health and the environment. If a potential risk exceeds a certain threshold, a full Risk Assessment will be conducted. If not, the investigation will proceed toward clean up and closure of the site.

NAAD 09D – Current Open Burn Area. Phase 1 field investigations are complete and included nine surface soil sampling locations and nine soil borings. The report is due in early March.

NAAD 08B – Former Open Burn Area (trenches). Phase 1 field investigations are complete and included 23 surface soil sampling locations, 8 test pits in south trenches, and 7 test pits in burn cage trenches. The report is due in late March. The trenches

were full of metal banding, crushed 55-gallon drums, barbed wire, beverage cans, nails, pipes, and a bed frame.

NAAD 05 – Former Open Burn Area. Phase field investigation is on-going. 6 test pits will be conducted in the trenches and pits and 34 surface soil sampling location are pending.

NAAD 06 – OB/OD Area Waste Pile and Burn Area. Phase I field investigations are on-going. Three soil borings and four test pits in the waste pile area are complete. 27 surface soil samplings location are pending.

Performance-based contract - MKM Engineers (MKM) was awarded this contract. They are the prime contractor; CH2MHill and AMEC are sub-contractors. The first deliverable will be a Project Management Plan and schedule. Their area of responsibility is for the IRP Closure Program and includes seven sites in OB/OD Area: the TNT Retention Ponds – NAAD 07; 2 former OB areas – NAADs 08A and 09A; the CK/CG Range – NAAD 04; Former EOD Area - NAAD 01; and the Potential Mustard Round Burial Site – NAAD E76. Schedule and costs are capped in this type of contract. By 12/31/06 the site is to be closed or a remedy in place in the OB/OD Area. Another component of their contract is the long-term monitoring and maintenance of the two landfills, and long-term monitoring of ground water in the Ammo Workshop Area. This project is not part of RCRA permit.

Documents

2nd Quarter Surface Water/Groundwater Report - Due in March or April

Final Operational History Report – preparing responses to comments from ADEQ

Draft NAAD 03 Site Characterization Letter - Due to ADEQ in a few days

Final Human Health Ecological Risk Plan - working on final round of comments

NAAD 02 RI/FS Work Plan - working on final round of comments

Draft Background Metals Assessment - finalized in October and covers all sites on Camp Navajo. It will be a good tool to help with risk assessment

After Action Report Footprint Reduction – NGB is working on their comments.

Work plan for NAAD 05, 06, 08B, 09D Sites - Final went to ADEQ

Management Action Plan. – should be finalized very soon.

Some sites have potential for no further action and a decision document will be prepared and presented at a public meeting.

Randy mentioned that all environmental protection measures, including stormwater pollution prevention plans, placement of straw bales and silt fences, raptor observation forms, vegetation surveys are found in the After-Action Reports and other site-specific documents.

5. Status of Community Involvement Program

Newsletter

Suggestions for topics in the next newsletter included: announcement of the public website, results of the first quarter monitoring results; fence replacements around the

Installation. The April 14th SAG meeting will be announced and AMEC will lead training on website. The newsletter will be mailed around March 21st.

Public Website

The SAG briefly discussed names for the public website. They agreed it should be easy to find and should have "Camp Navajo" in the name. The site could have links to all the SAG agencies.

Administrative Record

We are in the process of scanning old documents and indexing all correspondence and documents. The Administrative Record will be available in hard copy at Camp Navajo and electronically through the website. Once the Administrative Record is complete, we will organize the information repository at the Cline Library at NAU. Randy has some extra copies of some documents. Contact him if you are interested.

6. *Call to the Public*

No one from the public was present.

7. *Future Meetings*

The April 14th meeting will be at 6:00 p.m. at the AGFD Office, 3500 Lake Mary Road. Future meeting dates are the second Thursday of each quarter: July 14 and October 13.